

Listing of Claims

- 1-23. (Cancelled).
24. (Original) An apparatus for decontaminating a porous article, comprising:
a selectively sealable decontamination chamber;
a decontamination chamber humidifier;
a source of chlorine dioxide gas in fluid communication with the decontamination chamber; and
a decontamination chamber vacuum generator.
25. (Original) The apparatus of claim 24, further comprising:
a first fluid flow path for transferring humidified gas from the decontamination chamber humidifier to the selectively sealable decontamination chamber;
a second fluid flow path for transferring chlorine dioxide gas from the source of chlorine dioxide to the selectively sealable decontamination chamber; and
a third fluid flow path for evacuating the selectively sealable decontamination chamber via the decontamination chamber vacuum generator.
26. (Original) The apparatus of claim 25, further comprising a flow regulator in the first fluid flow path.
27. (Previously Presented) The apparatus of claim 25, further comprising a rotameter in the first fluid flow path.
28. (Original) The apparatus of claim 25, further comprising a nitrogen source and a fourth fluid flow path for transferring nitrogen gas to the decontamination chamber humidifier.
29. (Original) The apparatus of claim 28, further comprising a fill valve in the fourth fluid flow path.

30. (Original) The apparatus of claim 28, further comprising a flow regulator in the fourth fluid flow path.

31. (Original) The apparatus of claim 25, further comprising a flow regulator in the third fluid flow path.

32. (Original) The apparatus of claim 25, further comprising a ventilation valve in the second fluid flow path.

33. (Original) The apparatus of claim 24, wherein the source of chlorine dioxide gas is a chlorine dioxide generator.

34. (Original) The apparatus of claim 24, wherein the selectively sealable decontamination chamber is a rigid container.

35. (Original) The apparatus of claim 24, wherein the apparatus further comprises a heat source for providing heat to the selectively sealable decontamination chamber.

36. (Original) The apparatus of claim 24, wherein the apparatus further comprises a hygrometer for regulating humidity in the selectively sealable decontamination chamber.

37. (Original) The apparatus of claim 34, wherein the rigid container comprises a heat source, a thermostat for regulating the heat source, and a hygrometer for regulating humidity in the rigid container.

38. (Original) The apparatus of claim 24, wherein the selectively sealable decontamination chamber comprises an autoclave or a hypobaric chamber.

39. (Previously Presented) An apparatus for decontaminating a room or building, comprising:

a selectively sealable decontamination chamber;

a decontamination chamber humidifier; and
a source of chlorine dioxide gas in fluid communication with the selectively sealable decontamination chamber.

40. (Previously Presented) The apparatus of claim 39, further comprising a decontamination chamber vacuum generator.

41. (Previously Presented) The apparatus of claim 39, wherein the source of chlorine dioxide gas is a chlorine dioxide generator.

42. (Cancelled).